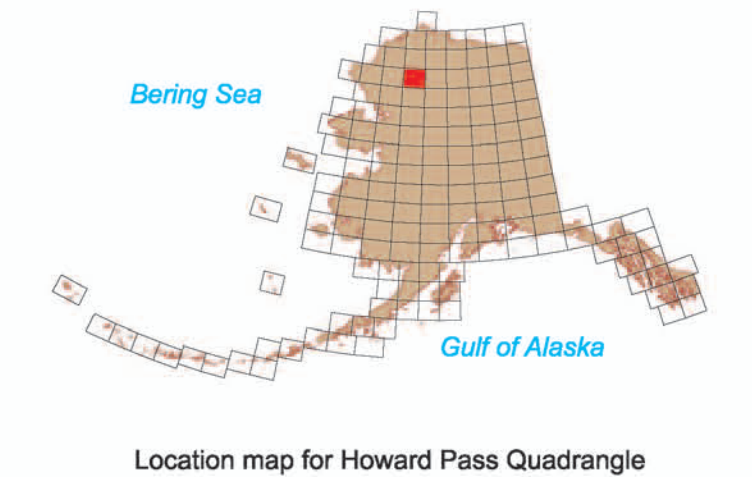


- DESCRIPTION OF MAP UNITS
- UNCONSOLIDATED DEPOSITS
- GM Chiefly (estimated greater than 80%) clean sand and gravel. Rare over-sized material. Includes GW and GP (Unified Soil Classification).
 - GS Mixed coarse and fine material. Estimated 20-80% coarse, granular deposits with considerable over-sized material. Includes GM and GC (Unified Soil Classification).
 - SM Chiefly fine materials. Estimated greater than 80% sand, silt, and clay. Includes SM, SC, ML, MH, CL, and CH (Unified Soil Classification).
 - OR Chiefly organic materials. Estimated greater than 50% peat, organic sand, or organic silt. Includes Pt (Unified Soil Classification).
- BEDROCK
- BC Medium-jointed, fine- to coarse-grained sedimentary carbonate rocks and their metamorphic equivalents. May be deeply weathered.
 - BM Medium-jointed, fine- to medium-grained quartzose sedimentary rocks and their metamorphic equivalents. May be deeply weathered.
 - BV Medium-jointed, fine-grained igneous rocks and their metamorphic equivalents. May be deeply weathered.
 - BO All other lithologies. May be deeply weathered.
 - BU Undifferentiated bedrock lithologies. May be deeply weathered.

MAP SOURCES

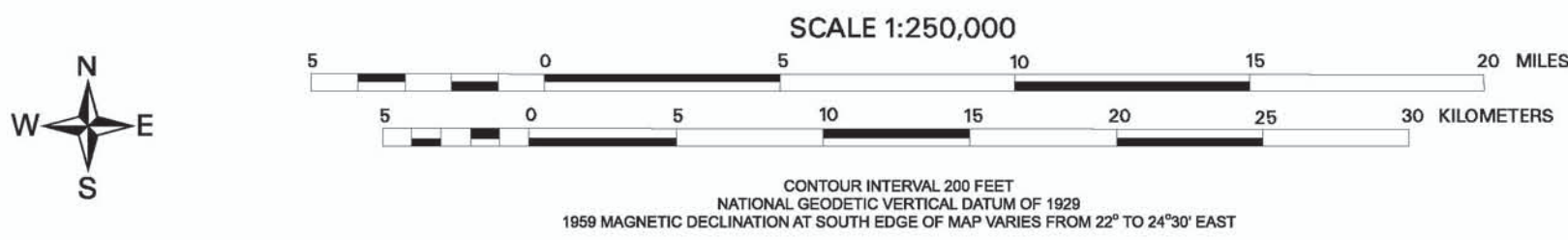
Hamilton, T.D., 1984, Surficial geologic map of the Howard Pass Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1677, scale 1:250,000, 1 sheet.

Mull, C.G., unpublished data, Compilation of bedrock geology of DeLong Mountains Quadrangle, Alaska, scale 1:250,000, 1 sheet.



Note from USGS Howard Pass (1966, minor revisions 1975) Quadrangle, Alaska

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.G. Sumner, 0603



DERIVATIVE GEOLOGIC-MATERIALS MAP OF PROPOSED TRANSPORTATION CORRIDORS
IN THE HOWARD PASS QUADRANGLE, ALASKA
compiled by
D.S.P. Stevens and R.L. Smith
2003



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